

Application Serial No.: 10/620,749

Attorney Docket No: 5701-01293

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****In re Application of:**

Shan CONG et al.

Group: 3662

Serial No.: 10/620,749

Examiner: Ian J. LOBO

Filed: 15 July 2003

Attorney Docket No.: 5701-01293

For: ROAD CURVATURE ESTIMATION AND AUTOMOTIVE TARGET STATE  
ESTIMATION SYSTEM /**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)(3)**

29 March 2004

**Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Dear Sir:

Applicant submits this Statement in accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(b)(3), i.e., filing the statement before the mailing date of a first Office action on the merits. Enclosed herewith is the List of References Cited by Applicant (PTO-1449).

As all the references listed on attached Form PTO-1449 are in English, under 37 C.F.R. §1.98(a)(3), no further commentary is believed to be necessary. Applicant respectfully solicits the Examiner's consideration of the cited references and entry thereof into the record of this application.

**CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))**


I hereby certify that, on the date shown below, this correspondence is being:

**MAILING****FACSIMILE**☒

deposited with the United States Postal Service  
with sufficient postage as first class mail in an  
envelope addressed to Mail Stop DD  
Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450.

☐

transmitted by facsimile to the Patent and  
Trademark Office to FAX number 703-872-9306.

  
Signature

Date: 29 March 2004

Kurt L. Van Voorhies  
(type or print name of person certifying)

Application Serial No.: 10/620,749

Attorney Docket No: 5701-01293

Applicant, by submitting this Information Disclosure Statement, is attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Information Disclosure Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, is otherwise "material to patentability," as that term is defined in that section.

Dinnin & Dunn, P.C.  
2701 Cambridge Court, Suite 500  
Auburn Hills, MI 48326  
5701-01293  
15 October 2003

Enclosure

Respectfully submitted,



Kurt L. VanVoorhies

Registration No. 38,643

Phone: 248-364-2100

Facsimile: 248-364-2200

Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. 5701-01293		SERIAL NO. 10/620,749		Page 1
				APPLICANT Shan CONG et al.				
				FILING DATE 15 July 2003			29 March 2004	
U. S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE	
	AA							
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No	
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR	E. D. Dickmanns, A. Zapp. A curvature-based scheme for improving road vehicle guidance by computer vision. Mobile Robots. Cambridge, MA: SPIE, 1986; vol.727, p. 161-168.						
	AS	J. Goldbeck, B. Huertgen, S. Ernst, L. Kelch. Lane following combining vision and DGPS. Image and Vision Computing, vol. 18, 2000, p. 425-433.						
	AT	S. Shen, A Multisensor-Based Automotive Collision Prediction System, Ph.D. Dissertation, Wright State University, October, 2002.						
EXAMINER				DATE CONSIDERED				
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

WSF17.73a

APR 05 2004



Priority Mail on  
29 March 2004

5701-01293

Shan CONG et al.

Application Serial No. 10/620,749

Filed 15 July 15 2003

Road Curvature Estimation and Automotive Target State Estimation System

1. Transmittal - 1 page
2. Information Disclosure Statement Under 37 CFR 1.97(b)(3) - 2 pages
3. Form PTO-1449 - 1 page
4. 3 Other Prior Art Documents (AR - 8 pages; AS - 9 pages; AT - 237 pages)
5. Certificate of Mailing (on items 1 & 2)

Please stamp date received and return. Thank You.

Dinnin & Dunn, P.C.

Application No. 10/620,749

Attorney Docket No. 5701-01293

Information Disclosure Statement Dated 02 September 2004

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/620,749

Confirmation No. 9001

Applicant : Shan CONG et al.

Filed : 15 July 2003

TC/A.U. : 3662

Examiner : Isam A. ALSOMIRI

Title : ROAD CURVATURE ESTIMATION AND AUTOMOTIVE TARGET  
STATE ESTIMATION SYSTEM

Docket No. : 5701-01293

Customer No. : 26659

RECEIVED  
CENTRAL FAX CENTER

SEP 02 2004

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(c)(1)

2 September 2004

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant submits this Statement in accordance with the duty of disclosure under 37 C.F.R. § 1.56 and §§ 1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(c)(1), i.e., filing the statement after the mailing date of a first Office action on the merits but before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, and it is accompanied by the statement specified in 37 C.F.R. § 1.97(e).

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

## MAILING

- ☐ deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## FACSIMILE

- ☒ transmitted by facsimile to the Patent and Trademark Office, Fax No. (703) 872-9306.

  
SignatureDate: 2 September 2004Kurt L. VanVoorhies  
(type or print name of person certifying)

**Application No. 10/620,749****Attorney Docket No. 5701-01293****Information Disclosure Statement Dated 02 September 2004**

In accordance with 37 C.F.R. § 1.97(e), the undersigned hereby certifies that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. Accordingly, Applicant believes that no fee is due as a result of this Information Disclosure Statement.

Enclosed herewith is the List of References Cited by Applicant (PTO-1449), including copies of all references listed thereon. Copies of U.S. patents and U.S. patent application publications are not included herewith in accordance with the waiver published in a Pre-OG Notice dated 07/11/2003 which applies to all applications filed after June 30, 2003.

As all the references listed on attached Form PTO-1449 are in English, under 37 C.F.R. §1.98(a)(3), no further commentary is believed to be necessary. Applicant respectfully solicits the Examiner's consideration of the cited references and entry thereof into the record of this application.

Applicant, by submitting this Information Disclosure Statement, is attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Information Disclosure Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, is otherwise "material to patentability," as that term is defined in that section.

Dinnin & Dunn, P.C.  
2701 Cambridge Court, Suite 500  
Auburn Hills, MI 48326  
5701-01293  
2 September 2004

Respectfully Submitted,



Robert A. Dunn

Registration No. 30,556

Phone: 248-364-2100

Facsimile: 248-364-2200

Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. 5701-01293		SERIAL NO. Page 1 10/620,749	
				APPLICANT Shan CONG et al.			
				FILING DATE 15 July 2003		IDS DATE 2 September 2004	
U. S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
	AA	US-2002/0049539 A1	04-2002	Russell et al.	701	301	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	International Search Report in PCT/US03/22182, 1 July 2004					
	AS						
	AT						
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

WSF17.73a